



Epoxide/Amine based aqueous coating agents and use thereof in multicoat lacquers

Description of Technology: The invention provides two-component coating agents based on aqueous epoxide/amine systems with modified epoxide components. The invention also provides use of the coating agents as fillers and/or primers for multilayered lacquering, in particular in the vehicle and vehicle parts lacquering sector.

Patent Listing:

1. **US Patent No. 6,432,485**, Issued August 13, 2002, "epoxide/amine based aqueous coating agents and use thereof in multicoat lacquers"

<http://patft.uspto.gov/netacgi/nph-Parser?Sect2=PTO1&Sect2=HITOFF&p=1&u=%2Fnetacgi%2FPTO%2Fsearch-bool.html&r=1&f=G&l=50&d=PALL&RefSrch=yes&Query=PN%2F6432485>

Market Potential: Due to ever more stringent conditions being placed on the protection of the environment, aqueous systems for the surface coating of items are becoming more and more important. Their properties also have to match those of conventional, i.e. solvent-containing, systems. Water dilutable epoxide resin systems have gained significance among surface coating agents which can be hardened at room temperature. These two-component (2C) systems are characterised by a number of good properties such as a very low proportion of, or no, solvent, good drying properties and rapid curing, good inter-layer adhesion and good anticorrosive properties on metals.

Benefits:

- Good drying properties, rapid curing, good inter-layer adhesion, good anticorrosive properties on metals

Applications:

- Coating agents based on aqueous epoxide/amine systems with modified epoxide components

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